# LANL MTI Web Site User's Guide
## (www.mti.lanl.gov)

## Introduction

The purpose of this document is to serve as a User's guide for the LANL MTI Web Site. It outlines computer and operating system requirements, security requirements and the basic functionality of the web site.

## Background

The MTI Data Processing and Analysis Center (MTI-DPAC) located at Los Alamos National Laboratory (LANL), serves as the main processing center and archive for MTI data products. Los Alamos is a National Laboratory, and, as such, maintains a high level of computer security. Approved Users may browse imagery and request data products from the MTI-DPAC through the MTI web site, which sits behind the LANL's "firewall". To become an approved User, an application must be submitted to the MTI-DPAC and approved by MTI Project Management. An approved MTI-DPAC User will then receive a LANL Collaborator Account and crypto-card required to gain access behind the LANL firewall. The LANL MTI-DPAC User Account is required for accessing the MTI web site.

## How do I complete the on-line Computer Security Training?

Computer security training is required of all external Users who will have access to LANL's computer system. The on-line computer security training <u>must</u> be completed before accessing the MTI web site. The training requires about 20-30 minutes to complete. Failure to complete training in a timely fashion will result in the deactivation of the Users crypto-card and/or one-time passwords.

- Make a connection to LANL's computer security web site and complete the two training course listed below:
  > http://www.hr.lanl.gov/scourses/All/AnnualSecurityRefresher/page01.asp
  > Annual Security & Computer Security Refresher (EDS #1425)
- After completing the on-line training, you can obtain course credit by doing the following:
  > Select  "Click here for course credit"
  > Select  "Request to Registrar"
  > Type in "0" for Z Number
  > Fill in your User information in the Request for Course Credit Section
  > Submit for credit and check email credit confirmation
- After receiving proof of computer security training via the email confirmation, please provide proof of security training to Kim Starkovich by sending your email confirmation to:
  > **Name**:  Kim Starkovich
  > **Email**:  kstarkovich@lanl.gov
  > **Phone**:  505-665-0944

- If you have questions regarding LANL's computer security training, please contact the MTI-DPAC.

## What are the system and software requirements?

The web site should be accessible from most system platforms (Linux, Windows 95/98/NT/2000, Mac O/S, Solaris). Currently, the recommended browser is Netscape (version 4.7 or higher). However, the most current versions of Netscape (6.0 or higher) have not been fully tested. *Note: It is important that the Netscape preferences are set to accept cookies in order for User authentication to work properly. To check if cookies are set, select 'edit' from the Netscape toolbar. Next select 'preferences' and then select 'advanced', then click the 'accept all cookies' if not already selected.* Other browsers such as MS Explorer may work as well, but they have not been fully tested. Please feel free to contact the MTI-DPAC if you have encounter problems accessing the web site.

## How do I log on to the web site?

After starting your browser, make a connection to the URL:
http://www.mti.lanl.gov

If you are using Netscape as your browser, you may be prompted to go through a series of windows regarding security. Keep clicking OK to the agreements and continue loading. You should only have to go through this process once.

You should eventually reach the LANL Authentication page. Here you will be prompted to enter your Z-number or c.[name] (where it indicates 'Z-Number') in the Z Number field, please note: **c.name must be lowercase**. In the Passcode field, enter a one-time passcode (of the format XXX-XXXX) generated from your crypto-card (see instructions sent with the card on how to do this). After entering in the required information click "Authenticate". Upon authentication, the main MTI home page should open and load.

## What happens when I time-out from the web site?

For security reasons, Users will be logged out of the secure web site after a period of inactivity. When this happens, the web page may still be visible, but functionality of buttons, etc. will be gone. It is highly recommended that you re-enter the web site from the original URL by either typing in http://www.mti.lanl.gov , or by using a bookmark created from that URL. You can also try shift + <RELOAD>, which should bring you to the LANL Authentication page. You will then need to re-authenticate (enter Z-number/c.[name] and one-time passcode) to get back to the web site. We also recommend that you try quitting your browser completely and starting a new session if you experience problems.

## What information is on the MTI Home page?

The MTI Home page is the central place to access all the web site's functionality. It contains a welcome message, special update information (with links to current and previous updates), links to the MTI mission statement and the March 2001 MTI Symposium, and links to the Image Browser and other useful information that will be discussed in detail in this document.

*\*\* From any other link inside the MTI web site, you can return to the MTI Home page by clicking on the image of the satellite in the upper left corner. \*\**

## How can I view images by Site?

From the MTI Home page click on the link for the "Image Browser". The Browser page should default to the "Site Search" selection. Site lists are arranged alphabetically by the first letter in the site name. There is also a separate category for buoy sites. You must first select the letter of the alphabet and then select the desired site name from the pull down menu provided. You then have the option to view 6, 18, 36 or all the images for the selected site. Click "View Thumbnails" to generate a panel of thumbnail images (JPEGs). If you click on one of the selected thumbnails, a full size JPEG will appear. Use the "back" button of the browser to return to the thumbnail window previously being viewed. *Note: At some point in the future we will be changing site names so that the country or state is listed first. At that point they will be sorted alphabetically by country and state.*

## How can I view images by Target ID, Sequence ID or Image ID?

From the MTI Home page click on the link for the "Image Browser". There are four links shown at the top of the page. Click on the link for "ID Search". There is a pull down menu from which you can select "Target ID", "Sequence ID" or "Image ID". Select the category you wish to search by and then type in the box the corresponding Target ID, Sequence ID or Image ID. NOTE: this query does not allow for wildcards. The match must be exact (for Target ID you can use upper or lower case). Click "View Thumbnails" to generate a panel of JPEGs. If you click on one of the selected thumbnails, a full size JPEG will appear. Use the "back" button of the browser to return to the thumbnail window previously being viewed.

## How can I view images by Date?

From the MTI Home page click on the link for the "Image Browser". There are four links shown at the top of the page. Click on the link for "Date Search". The default is to show the last weeks worth of imagery (JPEGs). You can change the starting date and you can select 1,2,3 or 4 weeks worth of data to be viewed. Click "View Thumbnails" to generate a panel of JPEGs. If you click on one of the selected thumbnails, a full size JPEG will appear. Use the "back" button of the browser to return to the thumbnail window previously being viewed.

## How can I find out more information about a particular image?

Listed below each image JPEG is the date the image was collected and the Image ID. Click on the Image ID (it is a link). This will take you to a page that displays the image header file, which contains a lot of useful information about the image. Use the "back" button of the browser to return to the thumbnail window previously being viewed.

## How can I view additional JPEGs for a particular image?

Listed below each image JPEG is the date the image was collected and the Image ID. Click on the Image ID (it is a link). This will take you to a page that displays the image header file,

as well as a list of all the JPEGs available for the image. Each JPEG represents a different band combination (the three bands used are listed in name of the JPEG). To view one of the JPEGs in the list, click on the name. Use the "back" button of the browser to return to the previous page.

## How do I order data products?

Data products for a particular image can be ordered from the same page that displays the image header file and the additional JPEG imagery. The "Product Ordering" section is on the bottom right-hand side of the page. The User's name, email address, mailing address, and work phone number should appear in this section. If any of this information is incorrect, click on the "Change Info" button and make the appropriate changes.

Data products that are available for that particular image are displayed in a list. Select the data products you would like to order by clicking on the box in front of the product name. You can add comments regarding the order by typing in the box below the product list. Click on the "Place Order" button to submit the order. *Note: orders are placed by Sequence ID, so if you placed an order for a particular image, you will receive data products for all the images in that particular sequence.*

*** PIs will automatically receive data products for collects from their approved proposal(s). There is no need to order them from the web. ***

## How do I check on the status of my order?

From the MTI Home page click on the link for the "Image Browser". There are four links shown at the top of the page. Click on the link for "Pending Orders". Any outstanding web orders will be displayed. You can contact the MTI-DPAC if you have questions regarding an order.

## Can I download data products from the web site?

You cannot download data products directly from the web site for security reasons. However, you can download any of the JPEGs displayed. Imagery that is labeled "Official Use Only" requires permission from the MTI project management before it can be released the general public (used in publications, etc.). Imagery that is considered to be "Public Release" will be labeled as such. If you have any questions, please contact the MTI-DPAC for guidance.

## How do I find out the status of a particular collect?

From the MTI Home page click on the link for "Current Tasking". The most current tasking table is displayed. You can click on the "Descending Order" and "Ascending Order" buttons to change the way the data is displayed (default is to display by date in descending order). Information displayed includes the Collect ID (also known as the Target ID), Site Name, Orbit Number, Rank, Image Time, Planned Time and Status. Time is indicated as GMT. When the collect has been imaged, processed, and is available, the Site Name will be displayed and the Collect ID (Target ID) will be highlighted as a link. Click on the link to

display thumbnails of the images for that sequence.  Use the "back" button of the browser to return to the previous page.  *Note: questions regarding tasking of the satellite should be directed to the satellite operations team at Sandia National Lab.*

## Where can I find information on MTI's current orbit?

From the MTI Home page click on the link for "Orbitology".  A list of the latest orbit prediction files is displayed.  These files are PowerPoint presentations in PDF format.

## Where do I find information on the product versions?

From the MTI Home page click on the link for "DPAC Software Revision History".  A table is displayed listing DPAC software revisions dating from 2000-08-01 to the current date.  Click the on the links (highlighted) in the "Tag" column to view a variety of information on that particular Tag version (could be for pipeline, web page etc.).  If there were changes made to Level0, Calibration, Registration, or General items (database changes, etc.), those items will show as links in the "Revision Information" column.

## Where can I find Product Descriptions and other References?

From the MTI Home page click on the link for "Product Descriptions and References".  A list of available documents is displayed.  All of the files are available in Text format.  The MTI Data Reference Guide and MTI Data Caveats are also available in PDF format.

## Where can I find copies of presentations from the MTI Symposium?

From the MTI Home page click on the link for "Symposium 2001".  A list of the Symposium talks is displayed with links to the talks in various formats.  The Symposium talks are also available on CD-Rom.  Please contact the MTI-DPAC if you would like a copy.

## Where can I find MTI forms?

From the MTI Home page click on the link for "Forms".  A list of available forms will be displayed.  Most of the forms are available in both PDF and Word document formats.

## Who do I contact if I have a problem?

Questions or comments regarding the MTI web site (or any other MTI related issue) can be submitted via email or a direct phone call to the MTI-DPAC.  Please feel free to contact any one of the following MTI-DPAC personnel:

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| Jim Krone | 505-667-7457 | jkrone@lanl.gov |
| Kim Starkovich | 505-665-0944 | kstarkovich@lanl.gov |
| Kim Pollock | 505-667-7609 | kpollock@lanl.gov |
| Meg Kennison | 505-667-8482 | mkennision@lanl.gov |
| Jackie Mondragon | 505-665-3053 | jmondragon@lanl.gov |